

Claims 1-7 have been rejected under 35 USC 112, second paragraph, as being "indefinite." This rejection concerns the phrase "said sensor accommodating part"; this phrase has been changed to "said sensor accommodating portion" so as to agree with the antecedent recitation.

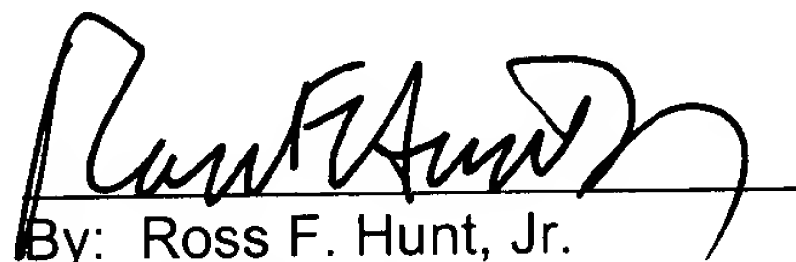
Claims 1-5 and 7 have been rejected under 35 USC 103(a) as being "unpatentable over applicant's admitted prior art as shown in figure 8 and 9 (AAPA, hereinafter) in view of Joseph [US 4,112,405]" while claim 6 has been rejected on the same basis "and further in view of Lautner et al. [US 3,959,675]." This rejection is respectfully traversed.

Although it is agreed that the Joseph patent discloses the molded temperature sensor accommodating part or portion for accommodating a fuse 34, it is respectfully submitted that the Joseph patent is non-analogous art. The present invention relates to microwave ovens and to high voltage transformers for such ovens while the Joseph patent relates to a coil or winding for an electric motor and to providing protection against overheating of such a coil. It is respectfully submitted that nothing taught by nor suggested in the Joseph patent would lead to the application of the teachings thereof to microwave ovens. Accordingly, withdrawal of the rejection of the claims is respectfully solicited. It is noted that a new claim 16 is added which is directed to a microwave oven incorporating the present invention.

Allowance of the application in its present form is respectfully solicited.

Respectfully submitted,

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By: Ross F. Hunt, Jr.
Registration No.: 24082

LARSON & TAYLOR, PLC • 1199 North Fairfax St. • Suite 900 • Alexandria, VA 22314 • (703) 739-4900

ATTACHMENT B

Marked Up Replacement Claims

Following herewith is a marked up copy of each rewritten claim and each new claim.

1. (AMENDED) A high voltage transformer for a microwave oven, said transformer including a core and primary and secondary coils, and further comprising:

an insulation molding part enclosing at least a part of said secondary coil and including a sensor accommodating portion; and

a temperature sensor, accommodated in said sensor accommodating ~~part~~portion, for detecting the temperature of the secondary coil.

16. (NEW) A microwave oven including a housing, a cooking chamber within said housing, an electronic component compartment within said housing, a door for said cooking chamber, and a control panel installed within said housing in front of said electronic compartment, said electronic component compartment including a high voltage transformer for generating a high voltage when the microwave oven is supplied with power from a power supply, a high voltage capacitor which is charged to a high voltage by the high voltage transformer, and a magnetron for generating microwaves and radiating the microwaves into the cooking chamber when discharge of the high voltage capacitor supplies the magnetron with a high voltage, said high voltage transformer including a core and primary and second coils, and further comprising:

an insulating molding part enclosing at least a part of said secondary coil and including a sensor accommodating portion; and

a temperature sensor, accommodated in said sensor accommodating portion, for detecting the temperature of the secondary coil.